

(Prior Art)

Fig. 1

100

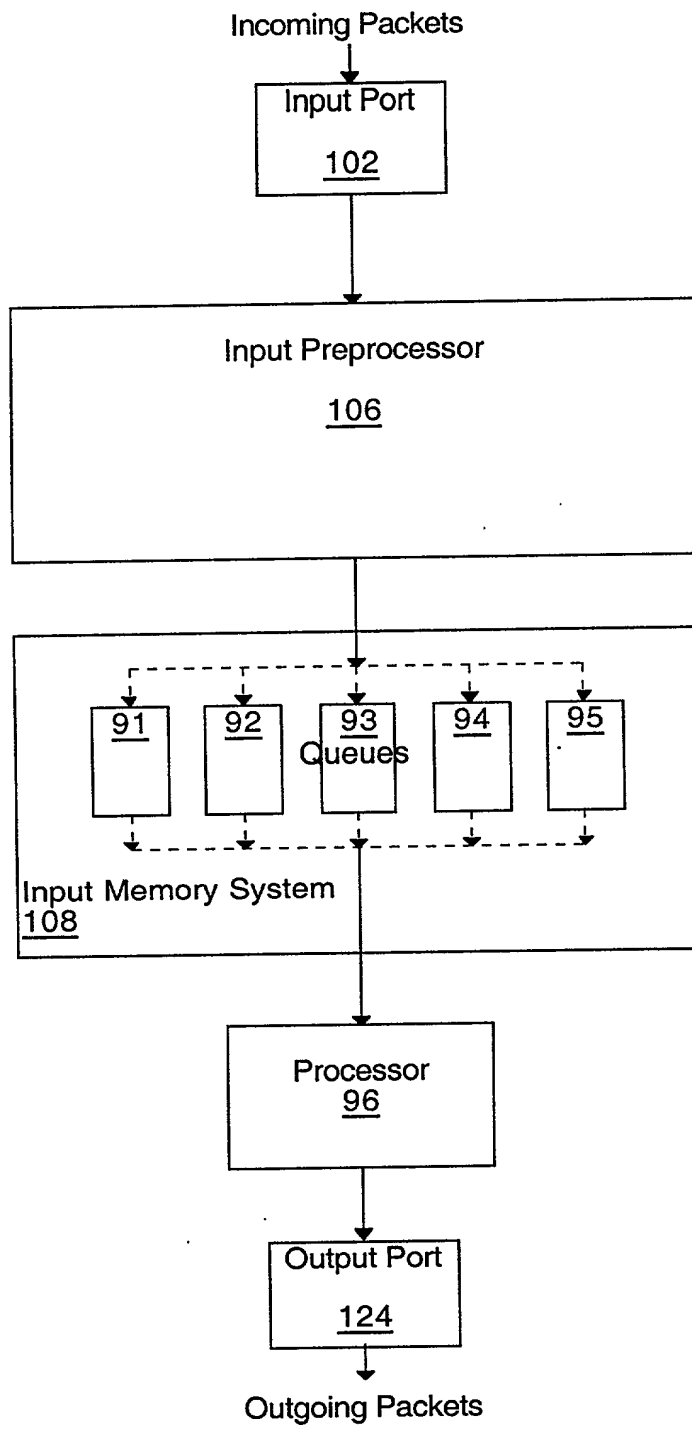


Fig. 2

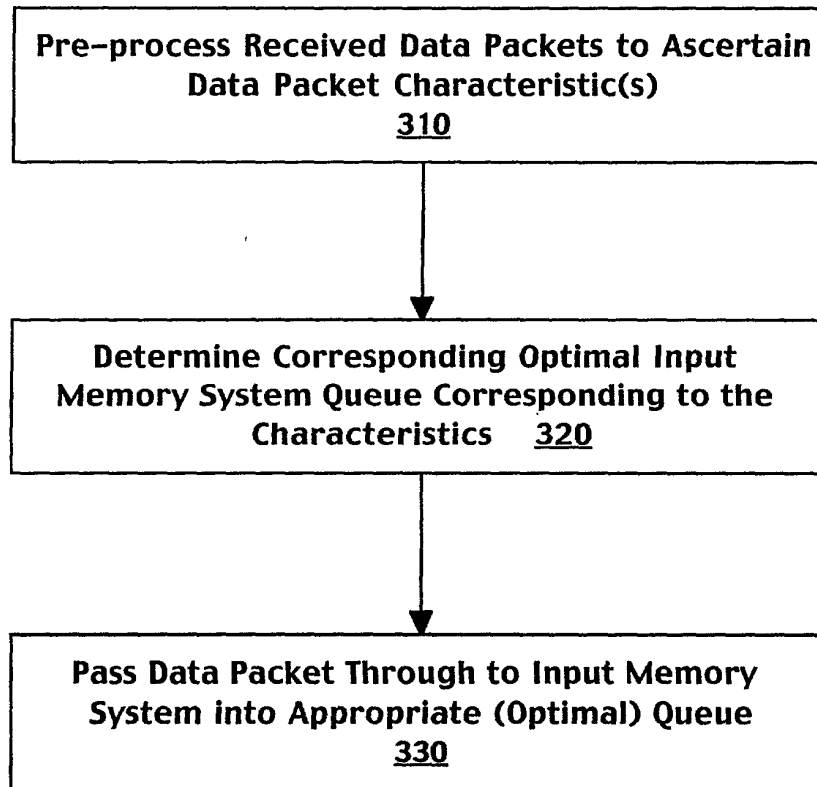


Fig. 3A

Ascertain Data Packet Characteristic
310

classifying type of the data packet (e.g., broadcast, multicast, unicast, etc.) 371

detecting encapsulation of the data packet, if any 372

assigning a priority corresponding to tag accompanying the data packet 373

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detecting a differentiated service field, if any 381

other data packet input memory system queue assignment information 382

Fig. 3B

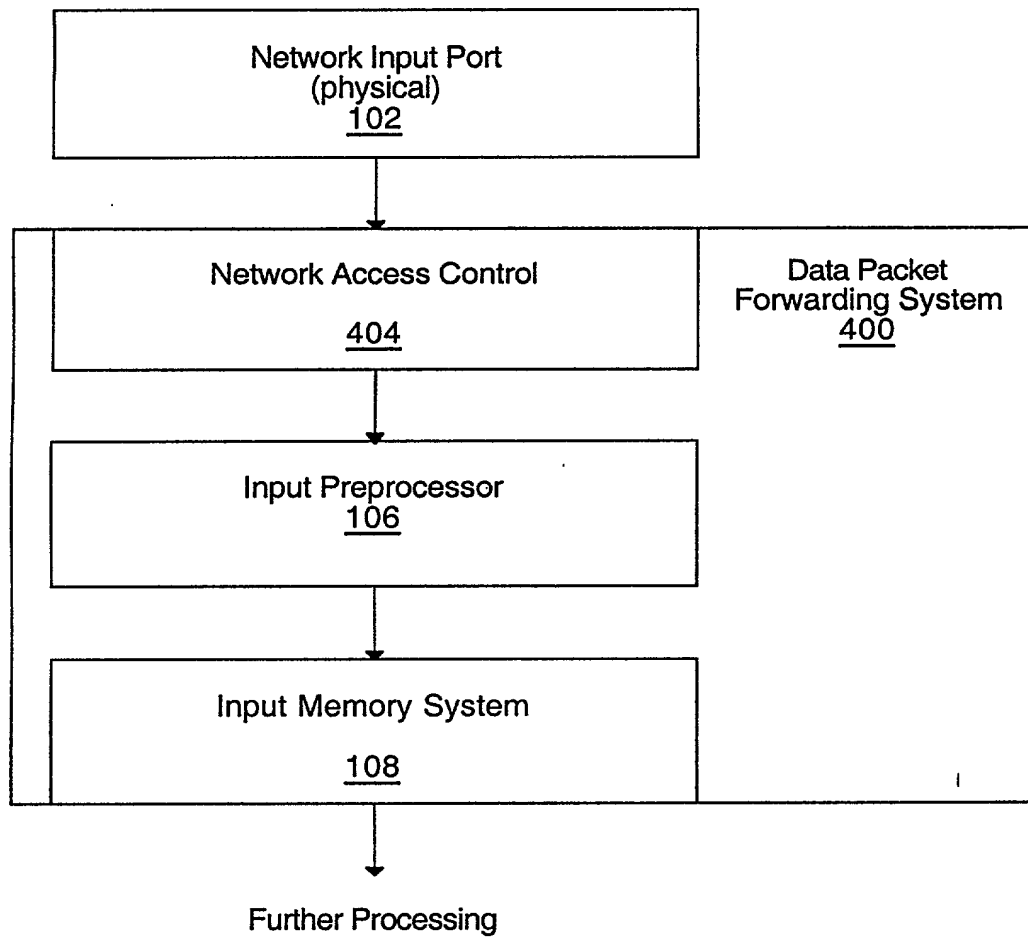


Fig. 4

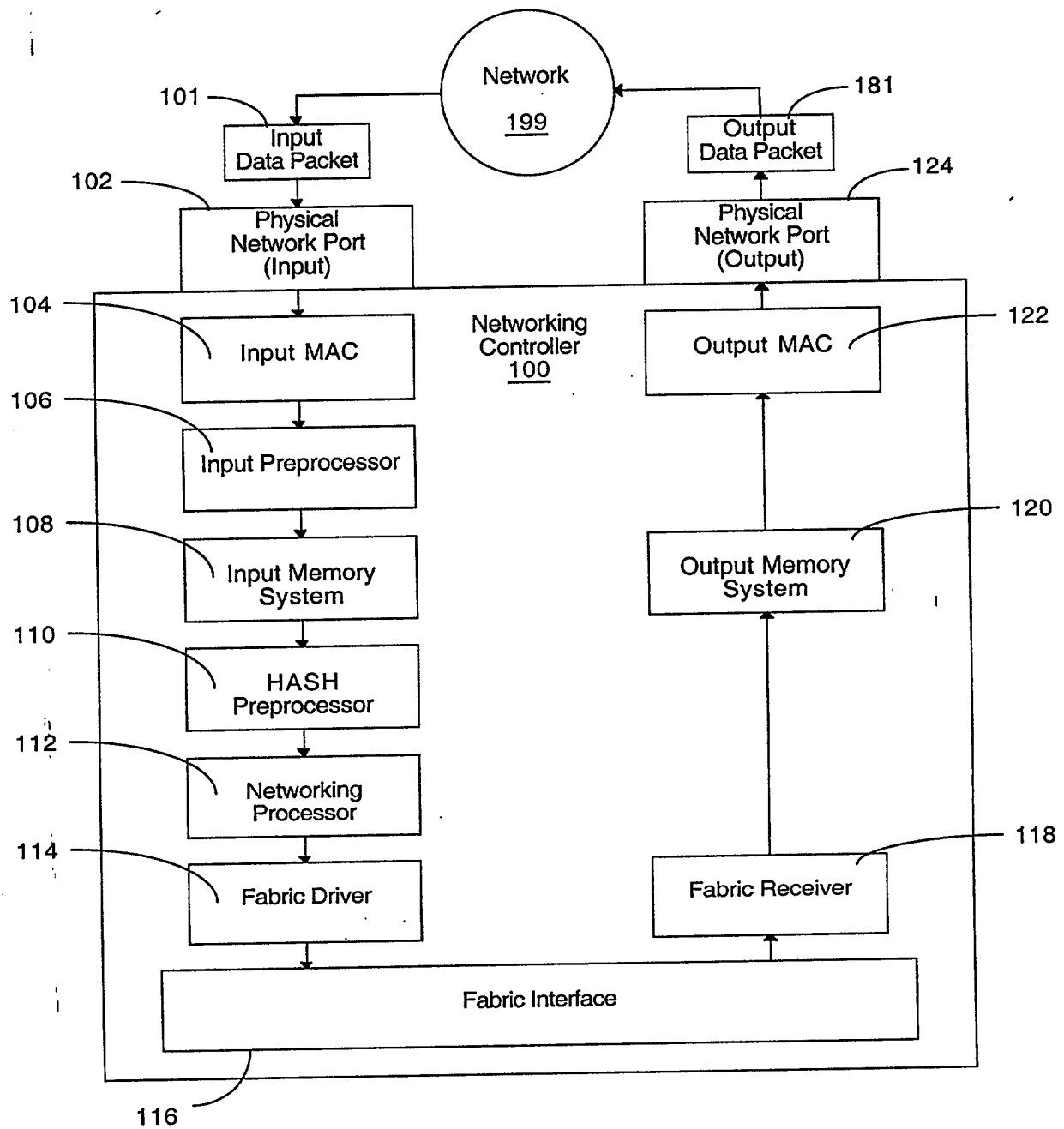


Fig. 5